Chart 11491(Side A) NM 18/02

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002
AND SURVEYS TO AUG 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ST. JOHNS BAR CUT RANGE, EAST SECTION	37.6	38.0	41.1	36.0	11-00	800	2.1	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	32.6	37.5	37.1	31.9	11-00	800	1.5	38
PILOT TOWN CUT RANGE	26.0	39.0	39.1	35.7	11-00	950	1.0	38
MAYPORT CUT RANGE	37.5	39.1	39.2	36.4	11-00	1050	0.7	38
SHERMAN CUT RANGE	38.4	39.9	38.7	33.4	11-00	950-650	0.5	38
MILE POINT LOWER RANGE AND TURN	38.2	37.6	35.9	28.4	11-00	650	0.9	38
TRAINING WALL REACH	38.3	37.9	38.3	35.8	11-00	650-500	1.1	38
SHORT CUT TURN	34.4	40.0	41.3	40.7	11-00	600	0.4	38
WHITE SHELLS CUT RANGE	34.5	37.5	38.9	40.4	11-00	580-1280	0.7	38
ST. JOHNS BLUFF REACH	36.4	37.3	36.5	34.5	11-00	1200-1100	0.6	38
DAMES PT.-FULTON CUTOFF	36.2	38.2	38.1	32.7	3-01	1280-500	2.7	38
DAMES PT. TURN	37.8	32.2	38.0	36.0	8-01	900-1200	0.4	38
QUARANTINE I. UPPER RANGE	38.4	38.6	38.8	37.7	8-01	1000-550	0.7	38
BRILLS CUT RANGE	38.8	39.5	38.9	36.3	8-01	550-450	0.8	38
BROWARD POINT TURN	31.5	39.1	39.0	38.7	8-01	625-850	1.0	38
BLOUNT ISLAND CHANNEL	22.6	28.3	29.3	26.9	11-00	300-800	1.7	30

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491(Side B) NM 18/02

ST. JOHNS RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002
AND SURVEYS TO AUG 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
QUARANTINE I. UPPER RANGE	38.4	38.6	38.8	37.7	8-01	1000-550	0.7	38
BRILLS CUT RANGE	38.8	39.5	38.9	36.3	8-01	550-450	0.8	38
BROWARD POINT TURN	31.5	39.1	39.0	38.7	8-01	625-850	1.0	38
DRUMMOND CREEK RANGE	38.3	39.2	39.4	37.1	8-01	650-400	1.5	38
TROUT RIVER CUT RANGE	41.2	42.4	42.8	38.3	8-01	400-500	1.0	38
CHASEVILLE TURN	38.2	39.4	40.3	38.2	8-01	500-700	0.6	38
LONG BRANCH RANGE	37.0	39.8	40.8	38.5	8-01	650-2000	0.7	38
TERMINAL CHANNEL	26.1	30.2	25.4	20.6	2,12-00;3-01	575-1025	3.0	34-38

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11505 NM 18/02

SAVANNAH RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	43.5	44.5	44.0	3-02	600	3.3	44
BLOODY POINT RANGE	44.0	44.5	44.0	43.0	3-02	600	3.0	44
JONES ISLAND RANGE	45.0	44.0	43.5	44.0	3-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.5	44.0	44.0	43.5	3-02	500	2.5	42

NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11506 NM 18/02

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL							
(ST SIMON RANGE)	31.0	32.0	A30.0	2-02	500	7.7	32
PLANTATION CREEK RANGE	36.0	40.5	40.0	2-02	400	1.8	32
JEKYLL ISLAND RANGE	31.0	33.0	32.0	2-02	400	1.9	30
CEDAR HAMMOCK RANGE	29.5	31.0	31.0	2-02	400	1.4	30
BRUNSWICK PT CUT RANGE	27.5	28.5	26.5	2-02	400	2.4	30
EAST RIVER							
LOWER REACH	B31.0	32.0	29.0	2-02	400	1.1	30
UPPER REACH	27.0	28.0	26.0	2-02	350	1.0	27
EAST RIVER TURNING BASIN	31.5	31.0	31.0	2-02	750	0.2	30
TURTLE RIVER LOWER RANGE	34.0	31.0	28.0	2-02	300	1.7	30
BLYTHE ISLAND RANGE	31.0	26.5	26.0	2-02	300	1.5	30
TURTLE RIVER UPPER RANGE	28.5	28.5	26.0	2-02	300	1.7	30
SOUTH BRUNSWICK RIVER	30.5	32.0	29.5	2-02	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 29 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 32 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11512 NM 18/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TYBEE RANGE	43.0	43.5	44.5	44.0	3-02	600	3.3	44
BLOODY POINT RANGE	44.0	44.5	44.0	43.0	3-02	600	3.0	44
JONES ISLAND RANGE	45.0	44.0	43.5	44.0	3-02	600	1.2	44
TYBEE KNOLL CUT RANGE	43.5	44.0	44.0	43.5	3-02	500	2.5	42
NEW CHANNEL RANGE (A)	39.0	42.5	43.0	41.0	3-02	500	1.6	42
L. I. CROSSING RANGE	41.5	44.5	44.0	42.0	3-02	500	2.6	42
LOWER FLATS RANGE	41.5	46.5	46.0	44.0	3-02	500	1.3	42
UPPER FLATS RANGE	46.0	46.0	46.0	41.0	3-02	500	1.2	42
THE BIGHT CHANNEL	43.0	46.0	47.0	46.0	3-02	500	1.5	42
FT. JACKSON RANGE	46.0	48.0	47.0	43.0	3-02	500	0.7	42
OGLETHORPE RANGE	42.0	46.0	46.0	44.5	3-02	500	1.2	42
WRECKS CHANNEL (B)	41.5	46.0	47.0	45.5	3-02	500	1.5	42
CITY FRONT CHANNEL	43.0	44.0	45.0	38.5	3-02	500	1.5	42
MARSH ISLAND CHANNEL (C)	44.0	45.0	45.0	44.0	3-02	500	1.7	42
KINGS ISLAND CHANNEL (D)	40.5	42.5	42.5	42.0	3-02	500	2.1	42
WHITEHALL CHANNEL (E)	37.0	34.0	35.0	38.5	3-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (F)	30.0	32.0	31.5	32.0	12-94; 3-02	200	1.2	30

A. OYSTER BED I.TURNING BASIN-CONTROLLING DEPTH 43.5 FT, 41.0 FT 100 FT FROM BACKSIDE.
B. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
C. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
D. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
E. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT 100 FT FROM BACKSIDE.
F. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11514 (Side A) NM 18/02

SAVANNAH RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OGLETHORPE RANGE	42.0	46.0	46.0	44.5	3-02	500	1.2	42
WRECKS CHANNEL (A)	41.5	46.0	47.0	45.5	3-02	500	1.5	42
CITY FRONT CHANNEL	43.0	44.0	45.0	38.5	3-02	500	1.5	42
MARSH ISLAND CHANNEL (B)	44.0	45.0	45.0	44.0	3-02	500	1.7	42
KINGS ISLAND CHANNEL (C)	40.5	42.5	42.5	42.0	3-02	500	2.1	42
WHITEHALL CHANNEL (D)	37.0	34.0	35.0	38.5	3-02	400	0.6	42-36
PORT WENTWORTH CHANNEL (E)	30.0	32.0	31.5	32.0	12-94; 3-02	200	1.2	30

A. FIG ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 31.0 FT 100 FT FROM BACKSIDE.
B. MARSH ISLAND TURNING BASIN-CONTROLLING DEPTH 38.0 FT, 26.0 FT 100 FT FROM BACKSIDE.
C. KINGS ISLAND TURNING BASIN-CONTROLLING DEPTH 41.0 FT, 37.0 FT 100 FT FROM BACKSIDE.
D. ARGYLE ISLAND TURNING BASIN-CONTROLLING DEPTH 40.0 FT 100 FT FROM BACKSIDE.
E. PORT WENTWORTH TURNING BASIN-CONTROLLING DEPTH 30.0 FT, 27.0 FT 100 FT FROM BACKSIDE.
NOTE: AT MEAN HIGH WATER, DEPTHS ARE ABOUT 7 FEET GREATER AT LOWER END OF THE HARBOR AND 7.7 FEET GREATER AT UPPER END OF HARBOR.
NOTE: FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 75 FEET INSIDE THE CHANNEL LIMITS.
NOTE- CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11545 NM 18/02

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM								
2000 FT NORTH OF LTD. BUOY "8"	25.8	42.8	39.2	28.5	11-01	450-800	2.26	47
CUTOFF CHANNEL	47.5	46.9	42.4	17.2	11-01	600	0.38	42
MOREHEAD CITY CHANNEL	39.8	44.5	45.2	39.7	8-01	400	1.10	40
TURNING BASIN								
EAST LEG	40.2	39.4	39.6	38.4	7-01	400-870	0.78	40
WEST LEG	29.6	32.8	38.1	39.1	7-01	800-3000	0.59	35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11547 NM 18/02

MOREHEAD CITY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BEAUFORT INLET CHANNEL FROM								
2000 FT NORTH OF LTD. BUOY "8"	25.8	42.8	39.2	28.5	11-01	450-800	2.26	47
CUTOFF CHANNEL	47.5	46.9	42.4	17.2	11-01	600	0.38	42
MOREHEAD CITY CHANNEL	39.8	44.5	45.2	39.7	8-01	400	1.10	40
TURNING BASIN								
EAST LEG	40.2	39.4	39.6	38.4	7-01	400-870	0.78	40
WEST LEG	29.6	32.8	38.1	39.1	7-01	800-3000	0.59	35

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12304 NM 18/02

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BRANDYWINE RANGE	40.5	41.4	41.3	40.6	1-02	1000	10.94	40
MIAH MAULL RANGE	41.2	40.7	40.3	40.2	9-01	1000	7.02	40
CROSS LEDGE RANGE	42.8	43.1	41.6	41.1	9-01	1000	3.39	40
LISTON RANGE (BELOW SHIP JOHN LIGHT)	42.7	41.4	41.7	41.4	5-01	1000	5.57	40
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	42.9	42.2	42.6	42.3	7-01	1000-800	12.42	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 18/02

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
LISTON RANGE (ABOVE SHIP JOHN LIGHT)	42.9	42.2	42.6	42.3	7-01	1000-800	12.42	40
BAKER RANGE	46.2	46.3	44.7	40.6	11-01	800	1.65	40
REEDY ISLAND RANGE	41.2	43.9	43.1	39.0	11-01	800	4.28	40
NEW CASTLE RANGE	38.4	41.0	43.1	43.8	12-01	800	4.34	40
BULKHEAD BAR RANGE	44.2	46.4	42.4	38.8	4-01	1600	0.56	40
DEEPWATER POINT RANGE	40.5	43.3	42.8	39.9	1-02	800	3.76	40
CHERRY ISLAND RANGE	41.7	42.8	43.8	43.1	12-01	800	4.33	40
BELLEVUE RANGE	41.8	41.8	42.3	41.5	1-02	800	3.05	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12311 NM 18/02

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002
AND SURVEYS TO JAN 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	34.5	35.6	36.7	1-02	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	34.3	33.9	30.5	1-02	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	34.6	34.6	34.6	1-02	320	0.34	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312 NM 18/02

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CHERRY ISLAND RANGE	41.7	42.8	43.8	43.1	12-01	800	4.33	40
BELLEVUE RANGE	41.8	41.8	42.3	41.5	1-02	800	3.05	40
MARCUS HOOK RANGE	40.0	41.4	42.1	42.4	1-02	800	4.25	40
CHESTER RANGE	40.9	41.9	41.2	41.5	12-01	800	1.82	40
EDDYSTONE RANGE	40.6	40.9	43.0	41.4	12-01	800	1.08	40
TINICUM RANGE	40.9	41.8	41.7	40.0	11-01	800	3.03	40
BILLINGSPORT RANGE	40.9	41.8	42.6	40.2	11-01	800	1.15	40
MIFFLIN RANGE	38.8	41.5	42.2	40.6	2-01	800	2.83	40
EAGLE POINT RANGE (NAVY YARD)	41.5	43.2	42.2	43.5	11-01	800	1.74	40
HORSESHOE BEND	39.1	43.7	44.1	44.1	1-01	800-500	0.80	40
HORSESHOE RANGE AND REACH M	39.9	42.5	45.1	45.3	1-01	500-400	1.17	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	33.7	38.9	40.0	39.2	2-01	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	39.8	40.6	41.5	41.0	2-01	400	2.00	40
CAMBRIA ST. TO ALLEGHENY AVE.	39.9	40.6	40.3	38.4	2-01	400	0.42	40
FISHER POINT RANGE	41.5	42.4	40.9	41.0	12-00	400	0.70	40
FISHER CHANNEL	42.7	42.7	43.4	42.6	12-00	400	0.31	40
DRAW CHANNEL	43.1	43.5	44.3	43.6	12-00	400	0.74	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12312 NM 18/02

CHRISTINA RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002 AND SURVEYS TO JAN 2002

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT CHRISTINA RIVER DATUM				PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT MILES)	DEPTH (FEET)
ENTRANCE CHANNEL TO THE UPPER END OF THE TURNING BASIN	34.5	35.6	36.7	1-02	500-340	0.70	38
THENCE TO THE LOBDELL CANAL	34.3	33.9	30.5	1-02	400	0.33	35
TURNING BASIN (OPPOSITE TERMINAL WHARF)	34.6	34.6	34.6	1-02	320	0.34	38

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12313 NM 18/02

DELAWARE RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2002

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
TINICUM RANGE	40.9	41.8	41.7	40.0	11-01	800	3.03	40
BILLINGSPORT RANGE	40.9	41.8	42.6	40.2	11-01	800	1.15	40
MIFFLIN RANGE	38.8	41.5	42.2	40.6	2-01	800	2.83	40
EAGLE POINT RANGE (NAVY YARD)	41.5	43.2	42.2	43.5	11-01	800	1.74	40
HORSESHOE BEND	39.1	43.7	44.1	44.1	1-01	800-500	0.80	40
HORSESHOE RANGE AND REACH M	39.9	42.5	45.1	45.3	1-01	500-400	1.17	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	33.7	38.9	40.0	39.2	2-01	400	2.95	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST.	39.8	40.6	41.5	41.0	2-01	400	2.00	40
CAMBRIA ST. TO ALLEGHENY AVE.	39.9	40.6	40.3	38.4	2-01	400	0.42	40
FISHER POINT RANGE	41.5	42.4	40.9	41.0	12-00	400	0.70	40
FISHER CHANNEL	42.7	42.7	43.4	42.6	12-00	400	0.31	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14842 (Page 26) NM 18/02

SANDUSKY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
MOSELEY CHANNEL	24.2	25.1	25.6	A10.5	6-01	400	2.15	26
UPPER STRAIGHT CHANNEL	22.5	23.9	25.4	20.8	6-01	400	1.04	25
UPPER BAY CHANNEL	20.2	24.3	23.7	21.2	8-01	300	1.64	25
LOWER BAY CHANNEL	21.5	22.7	24.0	25.9	6-01	350	.24	24
TURNING BASIN	21.1	21.3	23.1	22.4	6-01	300-1725	.50	24
DOCK CHANNEL	18.1	17.6	20.1	19.2	6-01	300	1.10	22
LOWER STRAIGHT CHANNEL	15.7	17.3	18.7	16.8	6-01	400	.77	21

A. EXCEPT FOR SHOALING TO 4.7 FEET IN THE VICINITY OF BUOY 10.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14844 NM 18/02

SANDUSKY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
MOSELEY CHANNEL	24.2	25.1	25.6	A10.5	6-01	400	2.15	26
UPPER STRAIGHT CHANNEL	22.5	23.9	25.4	20.8	6-01	400	1.04	25
UPPER BAY CHANNEL	20.2	24.3	23.7	21.2	8-01	300	1.64	25
LOWER BAY CHANNEL	21.5	22.7	24.0	25.9	6-01	350	.24	24
TURNING BASIN	21.1	21.3	23.1	22.4	6-01	300-1725	.50	24
DOCK CHANNEL	18.1	17.6	20.1	19.2	6-01	300	1.10	22
LOWER STRAIGHT CHANNEL	15.7	17.3	18.7	16.8	6-01	400	.77	21

A. EXCEPT FOR SHOALING TO 4.7 FEET IN THE VICINITY OF BUOY 10.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14845 NM 18/02

SANDUSKY HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
MOSELEY CHANNEL	24.2	25.1	25.6	A10.5	6-01	400	2.15	26
UPPER STRAIGHT CHANNEL	22.5	23.9	25.4	20.8	6-01	400	1.04	25
UPPER BAY CHANNEL	20.2	24.3	23.7	21.2	8-01	300	1.64	25
LOWER BAY CHANNEL	21.5	22.7	24.0	25.9	6-01	350	.24	24
TURNING BASIN	21.1	21.3	23.1	22.4	6-01	300-1725	.50	24
DOCK CHANNEL	18.1	17.6	20.1	19.2	6-01	300	1.10	22
LOWER STRAIGHT CHANNEL	15.7	17.3	18.7	16.8	6-01	400	.77	21

A. EXCEPT FOR SHOALING TO 4.7 FEET IN THE VICINITY OF BUOY 10.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14926 (Page 25) NM 18/02

CALUMET HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2001

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)					PROJECT DIMENSIONS		
	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE TO BKW S END LT	25.8	27.9	28.6	29.7	11,12-98	3000-3200	2.24	29
BKW S END LT TO RIVER ENTR LT	19.4	22.9	26.6	21.2	11,12-98	300-3000	2.00	28
RIVER ENTR LT TO INTERSTATE 90 BRIDGE	25.7	26.5	26.4	A20.0	10-01	100-300	1.44	27
INTERSTATE 90 BRIDGE TO 106th ST BRIDGE	24.4	25.7	26.7	17.5	10-01	160-320	1.09	27
106th ST BRIDGE TO TURNING BASIN NO 3	24.6	26.8	24.6	B20.4	10-01	160-400	1.95	27
TURNING BASIN NO 3 TO TURNING BASIN NO 5	24.4	25.4	25.4	C20.0	10-01	200-650	1.47	27
TURNING BASIN NO 5 TO SLIP NO 1	26.0	26.4	26.5	D16.3	10-01	400-1200	.98	27
SLIP NO 1 TO END	E18.2	F23.8	G24.0	H23.0	10-01	1000-1200	.37	27

A. SHOALING TO 8.2 FEET IN OUTSIDE 20 FEET OF QUARTER.
SHOALING TO 15.4 FEET AT 41°43'45.5"N - 87°32'20.5"W.
SHOALING TO 16.9 FEET AT 41°43'45.9"N - 87°32'19.6"W.
B. SHOALING TO 14.1 FEET IN OUTSIDE 15 FEET OF QUARTER.
C. SHOALING TO 8.5 FEET IN OUTSIDE 15 FEET OF QUARTER.
D. SHOALING TO 7.9 FEET IN OUTSIDE 30 FEET OF QUARTER
E. SHOALING TO 10.6 FEET IN OUTSIDE 100 FEET OF QUARTER.
F. SHOALING TO 1.7 FEET WITHIN LAST 100 FEET OF QUARTER.
G. SHOALING TO 5.5 FEET WITHIN LAST 100 FEET OF QUARTER.
H. SHOALING TO 11.4 FEET WITHIN LAST 100 FEET OF QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 14929 NM 18/02

CALUMET HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT GREAT LAKES LOW WATER DATUM (LWD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH LWD (FEET)
ENTRANCE TO BKW S END LT	25.8	27.9	28.6	29.7	11,12-98	3000-3200	2.24	29
BKW S END LT TO RIVER ENTR LT	19.4	22.9	26.6	21.2	11,12-98	300-3000	2.00	28
RIVER ENTR LT TO INTERSTATE 90 BRIDGE	25.7	26.5	26.4	A20.0	10-01	100-300	1.44	27
INTERSTATE 90 BRIDGE TO 106th ST BRIDGE	24.4	25.7	26.7	17.5	10-01	160-320	1.09	27
106th ST BRIDGE TO TURNING BASIN NO 3	24.6	26.8	24.6	B20.4	10-01	160-400	1.95	27
TURNING BASIN NO 3 TO TURNING BASIN NO 5	24.4	25.4	25.4	C20.0	10-01	200-650	1.47	27
TURNING BASIN NO 5 TO SLIP NO 1	26.0	26.4	26.5	D16.3	10-01	400-1200	.98	27
SLIP NO 1 TO END	E18.2	F23.8	G24.0	H23.0	10-01	1000-1200	.37	27

A. SHOALING TO 8.2 FEET IN OUTSIDE 20 FEET OF QUARTER.
SHOALING TO 15.4 FEET AT 41°43'45.5"N - 87°32'20.5"W.
SHOALING TO 16.9 FEET AT 41°43'45.9"N - 87°32'19.6"W.
B. SHOALING TO 14.1 FEET IN OUTSIDE 15 FEET OF QUARTER.
C. SHOALING TO 8.5 FEET IN OUTSIDE 15 FEET OF QUARTER.
D. SHOALING TO 7.9 FEET IN OUTSIDE 30 FEET OF QUARTER
E. SHOALING TO 10.6 FEET IN OUTSIDE 100 FEET OF QUARTER.
F. SHOALING TO 1.7 FEET WITHIN LAST 100 FEET OF QUARTER.
G. SHOALING TO 5.5 FEET WITHIN LAST 100 FEET OF QUARTER.
H. SHOALING TO 11.4 FEET WITHIN LAST 100 FEET OF QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18773 NM 18/02

SAN DIEGO HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2001

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SAN DIEGO HARBOR ENTRANCE CHANNEL	44.3	46.6	45.9	5-01	800	2.1	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 75130 NM 18/02

MARINE FARMS

Numerous Marine Farms may exist in this area. Marine farms, which may be floating or fixed structures, and their associated moorings should be avoided. The farms are generally marked by buoys or beacons, which may be lit